

**State of California**  
Department of Food and Agriculture  
Division of Measurement Standards

Certificate Number: 5298-02

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***California Type Evaluation Program***  
***Certificate of Approval***  
***for Weighing Devices***

**For:**

Scale System Controller  
Vehicle Scale Application  
Model: Bulkview Version 3.1

**Submitted By:**

Hanson Permanente Cement  
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**Standard Features and Options**

Motion detection provided by the certified primary weight indicator  
Multiple load receiving elements  
Monitors vehicle, customer, and product ID  
Weigh-in/weigh-out capabilities  
Weighmaster certificate printing

Minimum System Requirements:	Computer display Alphanumeric keyboard Printer and mouse
Operating System:	Windows N/T 4.0 or later versions
Program Language:	Visual Basic
Hardware:	400 MHz Pentium processor, 128 MB RAM

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: February 19, 2002

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Mike Cleary, Director

**Hanson Permanente Cement  
Scale System Controller  
Model: Bulkview Version 3.1**

**Application:** Scale system controller for use with certified and compatible vehicle scales and indicators.

**Identification:** The scale system controller identification is accessed by clicking on the Hanson Permanente Cement logo on the "Scale Order Status" screen.

**Sealing:** Provisions for sealing metrological parameters are provided by the certified weighing and indicating elements.

**Operation:** The weighmaster uses the personal computer to select the loadout bay, monitor loadout operation, control the weighing operation, and print a weighmaster certificate. Each vehicle is issued an identification card by the weighmaster which tracks the vehicle through the system. A card reader is used to verify that the driver is at the proper scale. If so, a green light signals the driver to proceed onto the scale. If the driver is not at the proper scale they will not be signaled to proceed. A phone is located next to each card reader to contact the weighmaster for directions to the proper scale. The position of the truck on each scale is sensed by position sensor light beams and relayed to the driver by a standard red, yellow, and green signal light which directs the driver to pull forward, stop, or back up as appropriate.

At three of the four scales, the tare is taken and the truck is loaded and weighed on the scale. At the fourth scale, the loadout bay is in a separate location. The truck is pulled onto the scale and tare is taken. It is then driven to the fourth loadout station, loaded, and driven back to the fourth scale and weighed. The vehicle is identified by the card at the scale in each direction and at the loadout station.

When the loaded vehicle returns to the scale house, the card is collected and read, and a weighmaster certificate is issued for that vehicle. At that point, the card becomes unusable until a new file is initiated for it.

**Test Conditions:** The PC, loaded with Bulkview Version 3.1 software, was connected to four Unibridge Scale Systems Model UBSH7010 vehicle scales [Certificate of Approval Number 2932-87], a Rice Lake IQ + 810 indicator [Certificate of Approval Number 3744(b)-97], and the load out bay components. The emphasis of the on-site evaluation was on operation of the loadout system, its interaction with the certified vehicle scales and indicator, and weighmaster certificate format. Several loadout and ticket printing operations were performed.

Results of the evaluation indicate the device complies with applicable requirements.

**Type Evaluation Criteria Used:** Title 4, California Code of Regulations, 2002 Edition

**Tested By:** K. Jones (CA)